

1st. A'

1. Method for bleaching of cellulose pulp having medium consistency without using high-shear mixers, comprising the introduction into the pulp stream via radially arranged injection devices of a stream of ozone-containing gas generated from pressurized oxygen or a mixture of pressurized oxygen with at least one gas or liquid and having an ozone concentration of at least about 20 % by weight.

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2. A method according to claim 1, wherein the introduction of ozone is carried out at a pressure of at least 10 bar.

10 3. A method according to claim 1 or 2, wherein said ozone-containing gas is introduced via at least two nozzles adapted to direct the gas into the pulp stream.

15 4. A method according to claim 3, wherein said nozzles are adapted to direct the gas in a direction essentially perpendicular to the pulp stream.

20 5. A method according to any claim 1-4, wherein following gas injection the pulp stream is fed to a dynamic low to medium intensity mixer.

6. A method according to any claim 1-5, wherein ozone-carrying gas is introduced by means of porous metal injector members.

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